

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 1-4, 6, 8-13 and 15 as shown below.

Please **ADD** claims 16- 18 as shown below.

The following is a complete list of all claims in this application.

WHAT IS CLAIMED IS:

1. (Currently Amended) A field emission display device, comprising:

a substrate;

an anode electrode formed on the substrate;

an insulation layer disposed on the substrate covering the anode electrodes except a pixel area formed on the anode electrode;

a phosphor layer disposed on the pixel area in contact with the anode electrode;

a cathode electrode formed on the insulation layer between the phosphor layers; and

a carbon nanotube emitter disposed on a portion of two surfaces of the cathode electrode, the carbon nanotube emitter for emitting electrons toward at least one of the phosphor layers.

2. (Currently Amended) The field emission display device of claim 1, wherein the carbon nanotube emitter is disposed on at least one edge of the cathode electrode.

3. (Currently Amended) The field emission display device of claim 1, wherein the anode electrode and the cathode electrode have a structure of plural line patterns and the anode electrode and the cathode electrode intersect each other at a right angle.

4. (Currently Amended) The field emission display device of claim 3, wherein the carbon nanotube emitter corresponding to the~~each~~ phosphor layer is arranged at the same intervals as the phosphor layers and the carbon nanotube emitter covering an edge of the cathode electrode.

5. (Original) The field emission display device of claim 3, wherein the carbon nanotube emitter is disposed in a line pattern covering an edge of the cathode electrode.

6. (Currently Amended) The field emission display device of claim 3, wherein the carbon nanotube emitter corresponding to the~~each~~ phosphor layer is arranged at the~~a~~ same intervals as the phosphor layers and the carbon nanotube emitter covering both two edges of the cathode electrode.

7. (Original) The field emission display device of claim 3, wherein the carbon nanotube emitter is disposed in a line pattern covering both edges of the cathode electrode.

8. (Currently Amended) The field emission display device of claim 1, further comprising~~includes~~ a gate electrode disposed within the insulation layer, the one gate electrode ~~to~~being arranged between the anode electrode and the cathode electrode.

9. (Currently Amended) The field emission display device of claim 1, further comprising~~includes~~ a transparent front substrate coupled with the substrate by a sealant while a space between the substrate and the front substrate is kept as vacuum.

10. (Currently Amended) The field emission display device of claim 9, wherein the transparent front substrate has a transparent electrode on a surface thereof facing the substrate.

11. (Currently Amended) A field emission display device, comprising:

a substrate;

an anode electrode formed on the substrate to have a structure of a plural line patterns;

an insulation layer disposed on the substrate covering the anode electrode except a pixel area formed on the anode electrode;

a phosphor layer disposed on the pixel area in contact with the anode electrode;

a cathode electrode formed on the insulation layer and having a structure of a plural line patterns, the cathode electrode to intersecting with the anode electrode at a right angle; and

a carbon nanotube emitter continuously covering at least one a portion of two surfaces edge of the cathode electrode for emitting electrons toward the at least one of the phosphor layers.

12. (Currently Amended) A field emission display device, comprising:

a substrate;

an anode electrode formed on the substrate;

an insulation layer disposed on the anode electrode except a pixel area formed on the anode electrode;

a gate electrode disposed within the insulation layer except the pixel area;

a phosphor layer disposed on the pixel area in contact with the anode electrode;

a cathode electrodes formed on the insulation layer between the phosphor layers; and

a carbon nanotube emitter disposed on the cathode electrode, the carbon nanotube emitter covering a portion of two surfaces at least one edge of the cathode electrode including a portion where the two surfaces of the cathode electrode meet for emitting electrons.

13. (Currently Amended) The field emission display of claim 12, wherein the gate electrode and the cathode electrode have a structure of a plural line patterns, the gate electrode and the cathode electrode to intersecting each other at a right angle.

14. (Original) The field emission display device of claim 12, further comprising a transparent front substrate coupled with the substrate by a sealant while a space between the substrate and the front substrate is kept as vacuum.

15. (Currently Amended) The field emission display device of claim 14, wherein the transparent front substrate has a transparent electrode on a surface facing the substrate.

16. (Currently Added) The field emission display device of claim 1, wherein a portion of the carbon nanotube emitter exists on a same plane as the phosphor layer corresponding to the carbon nanotube emitter.

17. (Currently Added) The field emission display device of claim 11, wherein a portion of the carbon nanotube emitter exists on a same plane as the phosphor layer corresponding to the carbon nanotube emitter.

18. (Currently Added) The field emission display device of claim 12, wherein a portion of the carbon nanotube emitter exists on a same plane as the phosphor layer corresponding to the carbon nanotube emitter.